

Title (en)  
BATTERY PACK

Title (de)  
BATTERIEPACK

Title (fr)  
BLOC-BATTERIE

Publication  
**EP 3651174 B1 20210113 (EN)**

Application  
**EP 19190652 A 20190808**

Priority  
CN 201821842354 U 20181109

Abstract (en)  
[origin: EP3651174A1] The disclosure relates to a battery pack, comprising a casing (100); a built-in circuit (200) disposed inside the casing (100); a consumable component (300) disposed inside the casing (100) and connected in series to the built-in circuit (200), wherein an opening (110) corresponding to the consumable component (300) is provided on the casing (100); a safety switch (400) disposed inside the casing (100), wherein an on/off of the safety switch (400) controls a connection/disconnection of the built-in circuit (200); and a cover body (500) disposed corresponding to the opening (110), wherein the cover body (500) has a first state in which the cover body (500) is capped at the opening (110), so that the safety switch (400) is switched on and the built-in circuit (200) is connected, and a second state in which the cover body (500) is detached from the opening (110), so that the safety switch (400) is switched off and the built-in circuit (200) is disconnected. In the embodiment of the disclosure, the battery pack can be used normally when the cover body (500) is capped at the opening (110) and the battery pack is tightly sealed, and therefore, the safety accident caused by the seal failure when the battery pack is used can be avoided; and the built-in circuit (200) is disconnected when the cover body (500) is detached from the opening (110), and therefore, the safety accident caused when the built-in circuit (200) is forgotten to be disconnected during maintenance of the consumable component (300) can be avoided.

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Citation (examination)

- US 2519329 A 19500815 - WOODWARD CLEMENT A
- US 4982058 A 19910101 - SCHROEDER ALFRED A [US], et al
- US 2419072 A 19470415 - HALL CHESTER I

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